

Product features

- Independent isolated adjustable power color temperature LED driver
- Flicker-free LED driver
- DIP control adjusts the current
- Output current 100...180 mA by DIP switch adjust
- Max. output power 7.2 W
- For luminaires with protection class II
- 5 years warranty



Product specifications

164479 XZ-YL09D-400018-D

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
100 mA	220...240 Vac	30...40 Vdc	76%	± 15 mA	0.5	126.0 x 38.0 x 25.0
120 mA			81%			
155 mA			82%			
180 mA			83%			

Electrical specifications

Mains voltage supply

Rated input voltage range	220...240 Vac; performance range
Max. input voltage range	198...264 Vac; operational safety range
Rated frequency range	50/60 Hz
Performance / Operational safety	47...63 Hz
Max. input current	0.13 A @ 230 Vac

Protection against voltage peaks

Withstand voltage	I/p-O/p: 3.75 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV per IEC 61000-4-5

Output data

Output current tolerance	± 15 mA at rated input voltage range
No load output voltage	≤ 50 Vdc
Ripple output current	5% (ripple = peak/average total 100 Hz)
Output PstLM	≤ 1 at full load @ rated input voltage
Output SVM	≤ 0.4 at full load @ rated input voltage

Protection functions output side

Over voltage protection	Over voltage protection: Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed.
Short circuit protection	Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

Connection terminals

Connection terminal type	45° Push in terminal
Wire cross section	Input wire: 0.75...1.5 mm ² ; Output wire: 0.5...1.5 mm ²
Wire stripping length	8...9 mm

Degree of protection

Protection rating	IP20
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Operating data

Set output current	DIP switch adjusts the current: 100...180 mA
Default current	100 mA
Output voltage range	30...40 Vdc
Noise leve	< 20 dB, at full load @ 100 cm distance

Circuit breaker/Inrush current

MCB loading quantity	Inrush current I _{peak} : 12.68 A			Inrush current T _{width} : 34.4 µs	
	MCB type	B10	C10	B16	C16
	Units	212	212	339	339

Supplementary instructions

- The luminaire manufacturer is responsible for measuring and verifying the EMI compliance of the complete luminaire, as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference.

Environmental specifications

Operating temperature	-20...+45°C
Storage temperature	-25...+85°C
Working humidity	10%...90%
Store humidity	5%...90%
Lifetime	at Tc 70°C: 30,000 hrs; at Tc 65°C: 50,000 hrs; @ 230 Vac
Maximum Tc temperature	65°C

Safety & EMC compliance

ENEC+CE	CCC	SAA
EN 61347-1:2015/A1		
EN 61347-2:2014/A1		
EN IEC 62384		
EN IEC 55015:2019/A11		
EN IEC 61547		
EN IEC 61000-3-2:2019/A1		
EN 61000-3-3:2013/A2		
EN 61347-1:2015/A1		
EN 61347-2-13:2014/A1		
EN 62493:2015/A1		

Dimensions

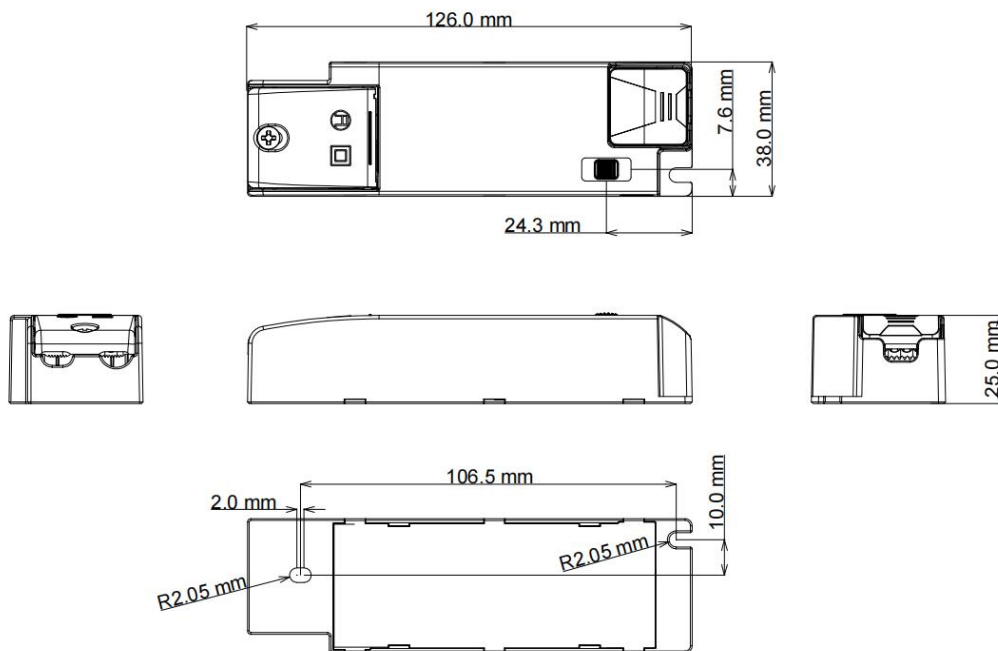
Housing dimensions

Length (L)	126.0 mm
Width (W)	38.0 mm
Height (H)	25.0 mm

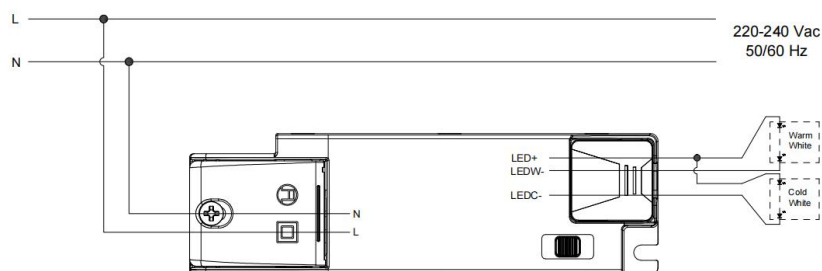
For all dimensions: values in mm; tolerances: ± 0.2 mm

Packaging details

Packing units	100 pcs
Carton size	390 x 262 x 158 mm
Weight	6.58 kg
Weight	0.059 kg

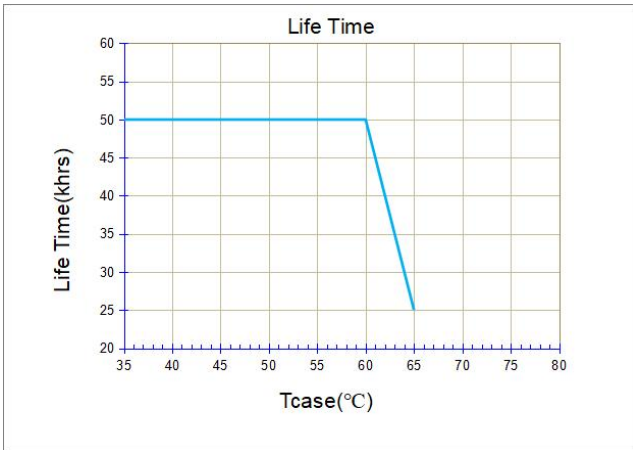
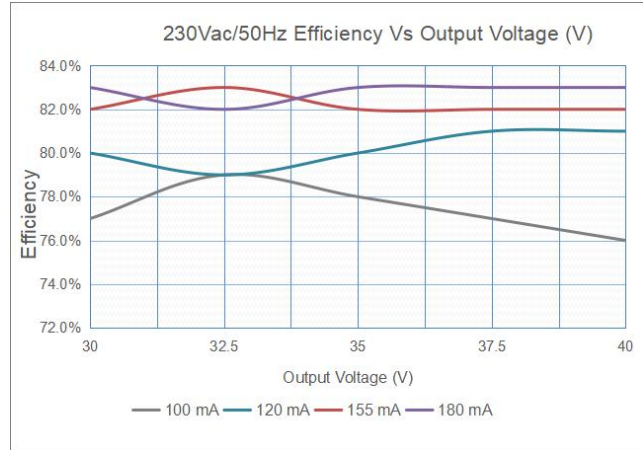
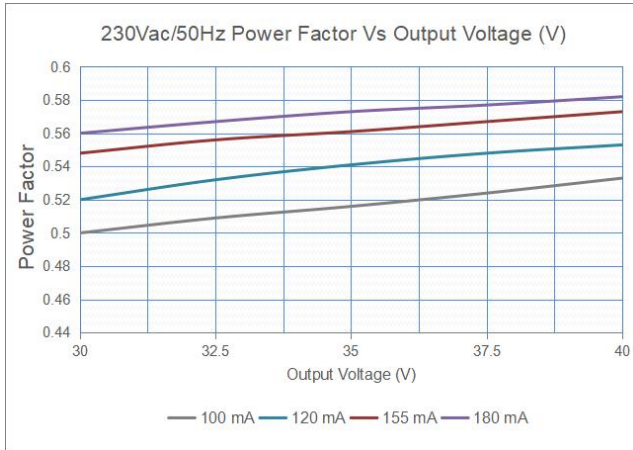


Wiring diagram



- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5...10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

Technical information



Vout	Pout	Iout	1	2
30...40 Vdc	4 W	100 mA	OFF	OFF
	4.8 W	120 mA	ON	OFF
	6.2 W	155 mA	OFF	ON
	7.2 W	180 mA	ON	ON